MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JULY, 1939

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

JULY 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.0	56.1	56.5	56.2	31.7	24.2	28.2	31.3	25.8	28.4
2	6.3	5.5	5.6	5.8	31.1	23.3	27.4	27.3	24.9	26.5
3	4.8	4.1	4.0	4.3	30.8	22.2	28.0	27.4	25.0	26.8
4	3.8	4.2	4.2	4.1	32.2	22.8	25.0	31.1	25.5	27.1
5	5.3	5.2	5.6	5.4	32.3	23.1	28.0	32.2	25.9	28.7
6	55.6	55.3	55.1	55.3	32.4	23.1	28.8	31.5	25.8	28.7
7	4.4	4.1	4.2	4.2	31.4	22.8	28.2	30.6	25.2	28.0
8	4.2	4.0	4.3	4.2	31.9	21.8	28.6	30.5	25.4	28.2
9	5.3	5.8	6.4	5.8	31.9	22.8	28.6	30.9	26.1	28.5
10	7.2	7.1	7.3	7.2	32.2	23.6	28.8	31.6	24.9	28.4
11	56.8	56.6	56.6	56.7	32.8	22.2	29.6	31.6	25.1	28.4
12	6.8	6.5	6.7	6.7	32.8	22.2	28.8	32.1	25.2	28.7
13	6.7	6.1	6.3	6.4	32.2	22.3	28.3	30.9	25.8	28.3
14	5.8	5.5	5.3	5.5	32.1	23.3	28.0	31.1	26.1	28.4
15	4.8	4.2	4.1	4.4	31.7	24.0	28.6	31.1	25.5	28.4
16	53.5	53.4	53.8	53.6	32.2	23.3	28.8	31.6	26.1	28.8
17	3.0	2.7	3.2	3.0	32.8	23.6	29.5	32.2	27.2	29.6
18	3.4	4.6	4.8	4.3	32.6	24.4	29.4	31.6	27.2	29.4
19	4.8	5.0	4.1	4.6	33.1	24.0	29.2	32.7	27.7	29.5
20	4.2	4.4	2.1	3.6	33.3	23.9	28.8	33.0	27.3	29.7
21	54.1	53.4	53.4	53.6	33.3	24.2	29.7	32.2	26.6	29.5
22	2.5	1.7	1.7	2.0	33.3	24.0	29.4	32.2	26.1	29.2
23	1.6	1.8	3.1	2.2	33.9	24.2	29.9	33.3	27.7	30.3
24	4.5	4.5	5.4	4.9	34.4	24.5	31.1	33.6	28.3	31.0
25	6.0	5.6	5.7	5.8	33.9	24.6	29.9	33.6	27.6	30.4
26	54.9	54.4	54.2	54.5	33.6	24.6	29.2	32.6	27.2	29.7
27	4.7	4.4	4.2	4.4	33.6	25.0	29.9	32.1	27.3	29.8
28	4.0	3.6	4.1	3.9	33.2	23.6	29.3	32.1	26.8	29.4
29	4.5	4.5	5.1	4.7	33.1	23.4	28.8	32.4	26.6	29.3
30	6 2	6.3	7.0	6 5	33.1	24.7	31.3	32.4	26.6	30.1
31	8.0	9.1	7.3	8.1	32.8	24.2	29.4	32.4	26.7	29.5
	754.96	754.83	754.88	754.90	32.64	23.55	28.9	31.65	26.30	28.90

Barometer, range for month 751.6 mm.—759.1 mm.
,, 62-yr. average for month 755.54 mm.
Thermometer, range for month 21.8° C.—34 4° C.
,, 62-yr. average for month 27.92° C.
Rain, total for month 0.0 mm.
,, , 62-yr. average for month 0.51 mm.
,, , total, from Sept. 1st 1028.3 mm.
55-yr. average, Sept. 1st 903.1 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	20.4	14.8	18.6	17.9	72	42	75	63	12.8	286.0	
2	17.9	24.5	16.6	19.7	66	91	71	76	11.3	230.0	
3	17.6	20.7	16.9	18.4	62	76	72	70	12.7	250.0	
4	16.9	19.7	19.4	18.7	72	58	80	70	12.5	231.0	
5	19.7	21.7	20.2	20.5	70	61	81	71	13.0	372.0	
6	20.1	19.8	19.4	19.8	68	57	78	68	12.9	412.0	
7	16.5	16.1	16.0	16.2	58	49	67	58	12.6	294.0	
8	16.7	18.1	17.3	17.4	59	55	72	62	13.0	203.0	
9	18.7	19.4	20.1	19.4	64	58	80	67	12.6	242.5	
10	15.3	20.0	19.6	18.3	53	57	83	64	13.1	127.5	
11	17.5	18.7	18.6	18.3	57	53	78	63	13.2	103.0	
12	18.2	20.0	19.6	18.3	60	56	82	66	13.1	310.0	
13	20.0	19.7	19.2	19.6	70	59	77	69	13.2	300.0	
14	19.1	19.4	20.7	19.7	68	57	82	69	12.8	395.0	
15	20.3	19.7	20.5	20.2	70	58	84	71	12.3	290.0	
16	20.1	20.0	20.1	20.1	68	57	80	68	12.3	299.0	
17	18.6	20.0	18.1	18.9	61	56	68	62	12.5	434.5	
18	18.7	20.6	18.3	19.2	62	59	68	63	12.1	225.0	
19	15.9	20.9	18.8	18.5	53	56	68	59	12.8	186.0	
20	21.3	21.6	16.0	19.6	72	58	60	63	12.8	292.0	
21	22.0	22.3	22.0	22.1	72	63	85	73	12.8	216.0	
22	20.9	21.7	21.3	21.3	68	61	85	71	13.0	200.0	
23	21.4	22.0	15.8	19.7	67	57	58	61	12.7	341.0	
24	19.1	19.9	21.7	20.2	56	51	76	61	12.7	160.0	
25	21.1	19.6	20.9	20.5	66	50	76	64	13.1	195.0	
26	21.0	21.7	19.2	20.6	70	59	72	67	12.8	452.0	
27	20.5	21.1	19.2	20.3	65	59	72	65	12.3	310.0	
28	18.8	21.2	19.5	19.8	63	60	74	66	12.3	275.0	
29	18.5	18.7	19.1	18.8	62	52	73	62	12.3	206.0	
30	17.9	18.7	19.7	18.8	52	52	76	60	12.6	234.8	
31	18.4	17.7	19.7	18.6	60	49	73	61	12.3	254.0	
	19.00	20.00	19.10	19.34	64.1	57.6	74.8	65.6	12.63	266.63	

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
62-year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	2s	4sw	1sw	mod.	
2	4cu	2cu	2cu	2.7	3s	3sw	2sw	slight	
3	1cu	0	2cu	1.0	2s	2w	2w	,,	
4	3cu	1cu	0	1.3	3s	2nw	2w	,,	
5	2cu	3cu	0	1.7	3w	2w	1w	,,	
6	2cu	0	2cu	1.3	4nw	4sw	3sw	mod.	
7	1cu	1cu	9cu	3.7	4sw	3w	2w	,,	
8	1cu	2cu	10cu	4.3	2sw	3w	1w	slight	
9	1cu	1cu	0	0.7	3sw	3w	1w	,,	
10	2cu	3cu	0	1.7	3s	2w	2w	,,	
11	0	0	0	0.0	1w	2w	2w	slight	
12	0	0	0	0.0	4sw	3w	2w	,,	
13	2cu	0	0	0.7	2sw	4sw	3sw	,,	
14	2cu	0	2cu	1.3	2se	5sw	4sw	mod.	
15	3cu	0	4cu	2.3	3sw	3sw	0	slight	
16	1cu	1cu	0	0.7	4s	3s	1s	slight	
17	0	1cu	0	0.3	4sw	4sw	1sw	,,	
18	0	2cu	0	0.7	5sw	3sw	1sw	,,	
19	1cu	2cu	0	1.0	4s	2w	0	calm	
20	1cu	0	0	0.3	4sw	2w	2w	,,	
21	0	0	0	0.0	3sw	2w	0	slight	
22	8cu	2cu	0	3.3	3sw	2w	1w	,,	
23	0	0	0	0.0	4s	3w	3w	,,	
24	0	0	0	0.0	1w	2w	0	,,	
25	0	0	0	0.0	2s	2w	1w	calm	
26	0	0	0	0.0	4sw	4w	3w	slight	
27	2cu	1cu	0	1.0	4sw	3w	2w	,,	
28	0	0	0	0.0	3sw	3w	2w	,,	
29	2cu	3cu	0	1.7	3sw	3sw	0	,,	
30	2cu	1cu	3cu	2.0	3w	2w	2w	,,	
31	1cu	0	3cu	1.3	3s	3w	2w	,,	
				1.13	3.1	2.8	1.6		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	0	0	1	10	15	4	1	0	31
14:30	0	0	0	0	1	9	20	1	0	31
20:30	0	0	0	0	2	6	18	0	5	31
Totals	0	0	0	1	13	30	42	2	5	93

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

62-yr. average number of days with rain during month 0.2